

AN - 2002-132914 [18]

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PN - JP2001078013 A 20010323

PD - 2001-03-23

AP - JP19990250297 19990903

IN - ARAGAI YASUHIRO TAKENAKA YUJI

PA - FUJI PHOTO FILM CO LTD

TI - ELECTRONIC WATERMARK COMPOSITING DEVICE AND IMAGE ALTERATION DECIDING DEVICE

AB - PROBLEM TO BE SOLVED: To composite an electronic watermark with an image photographed by an order receiver based on the request of an orderer by compositing cipher information which is prepared by enciphering image identification information for identifying an input image with the image as an electronic watermark, recording it and reporting a method thereof and the image identification information.

- SOLUTION: A method for extracting the electronic watermark composited with an image¹⁰, a method for deciphering the cipher information to be used as electronic watermark and the image identification information of the image¹⁰ to be used for preparing the cipher information are reported by the manager of a laboratory system to the user of an image alteration discriminating device⁹⁰, namely, to the orderer. The order receiver receives a recording medium such as CD-ROM storing a composited image¹¹ from a laboratory system, selects a required image out of recorded images and presents it to the orderer as photograph data for proving progress. In order to discriminate whether an image¹² presented by the order receiver is altered, the orderer uses the image alteration discriminating device⁹⁰.

I - H04N1/387 ;G06T1/00 ;G09C1/00 ;G09C5/00 ;H04L9/32

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OPD - 1999-09-03
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EC - G06T1/00W
IC - H04N1/387 ; H04L9/32

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TI - Electronic watermark synthesis apparatus synthesizes encrypted
discriminative information of input image as electronic watermark in
image which is then recorded and notifies decoding method of
encrypted information

PR - JP19990250297 19990903

PN - JP2001078013 A 20010323 DW200218 H04N1/387 010pp

PA - (FUJF) FUJI PHOTO FILM CO LTD

IC - G06T1/00 ;G09C1/00 ;G09C5/00 ;H04L9/32 ;H04N1/387

AB - JP2001078013 NOVELTY - The encryption section encrypts
discriminative information of input image. Synthesis section
synthesizes encrypted information as an electronic watermark in the
image. Recording unit (40) records synthesized image. Notice
section notifies extraction method of watermark and decoding
procedure of encrypted information.

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also
included for image alteration judging apparatus.
- USE - Used in worksite by bidder of construction who takes
photograph of worksite for every stage of construction to synthesize
electronic watermark in photographed image.
- ADVANTAGE - Electronic watermark is synthesized in
photographed image, clearly and easily.
- DESCRIPTION OF DRAWING(S) - The figure shows the block
diagram of electronic watermark synthesis apparatus. (The drawing
includes non-English language text).
- Recording unit 40
- (Dwg.2/8)

OPD - 1999-09-03



INVESTOR IN PEOPLE

Application No: GB 0316643.6
Claims searched: 1, 2

Examiner: Ms Ceri Witchard
Date of search: 18 December 2003

Patents Act 1977 : Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
A	-	GB 2330031 A IBM See whole document.
A	-	WPI Accession No.2002-132914 & JP 2001078013 See abstract.

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC^v:

H4F

Worldwide search of patent documents classified in the following areas of the IPC⁷:

H04N G06T

The following online and other databases have been used in the preparation of this search report:

WPI, EPDOOC, JAPIO